

In the Specification

A) Please replace the paragraph beginning on page 1, line 6 with the following paragraph:

201
Town and coke-oven gases obtained by thermal processes contained intensely odoriferous components and therefore had a strong intrinsic ~~odour~~ odor, so that escaping gas could be readily detected.

B) Please replace the paragraph beginning on page 1, line 10 with the following paragraph:

202
Because of its origin (natural gas) and a relatively high degree of purity, the gas used nowadays in the public network is in itself virtually ~~odourless~~ odorless; if leakages are not noticed in good time, explosive gas/air mixtures with a high hazard potential quickly form. For safety reasons, gas is therefore odorized by adding odorants. For example, in Germany it is stipulated that all gases which do not have sufficient intrinsic ~~odour~~ odor and are distributed in the public gas supply (DVGW-Arbeitsblatt [Worksheet] G 260) are odorized in accordance with DVGW-Arbeitsblatt [Worksheet] G 280; DVGW = Deutscher Verein des Gas- und Wasserfaches e.V. [German Association on Gas and Water], Eschborn. These odorizing compositions are detectable even when highly diluted and, because of their extremely unpleasant ~~odour~~ odor, act, as is desired, as a warning signal for people. In Germany, approximately 90% of service gas is currently odorized with tetrahydrothiophene (THT) (12-25 mg/m³); in addition, odorization using mercaptans or thioethers is also customary.

C) Please replace the paragraph beginning on page 1, line 24 with the following paragraph:

B3
THT and mercaptans are highly suitable for reliable odorization of gas. However, in the context of treating the environment with more respect, it is to be noted that during the combustion of such odorized gases, ~~sulphur~~ sulfur dioxide forms as combustion product - only in small amounts at each individual combustion site, but, viewed on a countrywide scale, in amounts of a few hundred tons per year. It would be desirable to overcome this disadvantage; however, a number of requirements have to be satisfied:

D) Please replace the paragraph beginning on page 2, line 1 with the following paragraph:

B4
1. The ~~odeur~~ odor must be unpleasant and unmistakable (~~odeurs~~ odors from kitchens and homes are excluded). It must act as a warning signal for people who smell escaped gas.

E) Please replace the paragraph beginning on page 2, line 5 with the following paragraph:

B5
2. Everybody with an average sense of smell and average physiological condition must be able to detect the ~~odeur~~ odor.

F) Please replace the paragraph beginning on page 2, line 8 with the following paragraph:

B6
3. The warning ~~edour~~ odor stage (= average ~~edour-intensity~~ odor intensity) must be achieved before the ignition limit or a kinetic carbon monoxide content is reached.

G) Please replace the paragraph beginning on page 2, line 14 with the following paragraph:

B7
5. The odorizing composition must have high volatility and evaporate leaving as little residue as possible.

H) Please replace line 4 of the listing on page 3 with the following line:

B8
mixtures of ~~sulphur~~ sulfur compounds and aliphatic aldehyde (JP 78-35 562),

I) Please replace the paragraph beginning on page 3, line 20 with the following paragraph:

B9
progressively odorized gas is obtained which largely combines the desired properties. The novel odorizing composition can be added to the gas in the same order of magnitude as ~~sulphur~~ sulfur-containing compounds and does not produce corrosion-promoting products upon combustion.